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NOTICE OF ALLOWANCE AND FEE(S) DUE

09629 7590 02/11/2004 MORGAN LEWIS & BOCKIUS LLP 1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004

EXA	MINER
CHUNG	, DAVID Y
ART UNIT	PAPER NUMBER

2871

DATE MAILED: 02/11/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/885,527	06/21/2001	Jong-Woo Kim	053785-5018	2621

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF FABRICATING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/11/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:	If the SMALL ENTITY is shown as NO:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.	A. Pay TOTAL FEE(S) DUE shown above, or
B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or	 B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility t ensure timely payment of maintenance fees when due.

		PART B	- FEE(S) TRA	NSMITTAL		
Complete and send th			or <u>Fax</u>	(703) 746-4000	for Patents •ginia 22313-1450	
INSTRUCTIONS: This forr appropriate. All further corr indicated unless corrected b maintenance fee notifications	elow or directed otherwise	smitting the ISSU Patent, advance on in Block 1, by (a	E FEE and PUBLIC ders and notification) specifying a new c	CATION FEE (if req of maintenance fees correspondence addres	uired). Blocks 1 through 4 s will be mailed to the current is; and/or (b) indicating a separate	hould be completed where correspondence address as arate "FEE ADDRESS" for
09629 759 MORGAN LEWI	S & BOCKIUS LLF NIA AVENUE NW		use Block 1)	papers. Each addition have its own certifica C I hereby certify that States Postal Service	of mailing can only be used f his certificate cannot be used nal paper, such as an assignm ate of mailing or transmission. ertificate of Mailing or Tran this Fee(s) Transmittal is bein with sufficient postage for fin ail Stop ISSUE FEE address PTO, on the date indicated be	ent or formal drawing, must smission g deposited with the United
APPLICATION NO.	FILING DATE	· · · · · · · · · · · · · · · · · · ·	FIRST NAMED INVE		ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1330)	\$300	\$1630	05/11/2004
EXAMI	INER	ART UN	іт с	LASS-SUBCLASS	7	
CHUNG, D	DAVID Y	2871		349-187000		
Address form PTO/SB/12 "Fee Address" indicatio PTO/SB/47; Rev 03-02 or Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless a	nce address (or Change of C 2) attached. on (or "Fee Address" Indicat r more recent) attached. Use RESIDENCE DATA TO B an assignee is identified bel to the USPTO or is being s	Correspondence ion form e of a Customer E PRINTED ON T ow, no assignee d submitted under sep	names of up to agents OR, altern firm (having as a agent) and the m attorneys or agen will be printed. THE PATENT (print ata will appear on th parate cover. Comple	e patent. Inclusion of	attorneys or 1 e of a single 1 attorney or 2 stered patent ed, no name 3 assignee data is only appropri DT a substitute for filing an ass	·
Please check the appropriate 4a. The following fee(s) are e Issue Fee Publication Fee Advance Order - # of C	• • • •	4b	 Payment of Fee(s): A check in the an Payment by credition 	nount of the fee(s) is en t card. Form PTO-203 nereby authorized by		credit any overpayment, to
Director for Patents is reques	ted to apply the Issue Fee an	nd Publication Fee	•		issue fee to the application ide	
(Authorized Signature) NOTE: The Issue Fee and other than the applicant; ac This collection of informat obtain or retain a benefit b application. Confidentiality estimated to take 12 minute completed application form case. Any comments on t suggestions for reducing th Patent and Trademark O 22313-1450. DO NOT SI SEND TO: Commissioner f Under the Paperwork Red collection of information un	i registered attorney or ago ords of the United States Pa ion is required by 37 CFR by the public which is to fi is governed by 35 U.S.C. 1 es to complete, including ga to the USPTO. Time will the amount of time your tis burden, should be sent to the c. U.S. Department END FEES OR COMPLE or Patents, Alexandria, Virg luction Act of 1995, no p	ent; or the assigne tent and Trademar 1.311. The inform le (and by the US 22 and 37 CFR 1.1 athering, preparing II vary depending require to comple to the Chief Inform of Commerce, A TED FORMS TC ginia 22313-1450. persons are requir	ce or other party in k Office. Thation is required to PTO to process) an 14. This collection is the source of the source of the upon the individual te this form and/or mation Officer, U.S. lexandria, Virginia D THIS ADDRESS.			

TRANSMIT THIS FORM WITH FEE(S)

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	IITED STATES PATENT	TAND TRADEMARK OFFICE	UNITED STATES DEPAR United States Patent and Address: COMMISSIONER F P.O. Box 1450 Alexandria, Virginia 223 www.uspto.gov	Frademark Office OR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/885,527	06/21/2001	Jong-Woo Kim	053785-5018	2621
09629	7590 02/11/2004		EXAM	INER
	/IS & BOCKIUS LLP ANIA AVENUE NW		CHUNG, I	DAVID Y
WASHINGTON,			ART UNIT	PAPER NUMBER
······································			2871	
			DATE MAILED: 02/11/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 5 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 5 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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	Application No.	Applicant(s)		
	09/885,527	KIM ET AL.		
Notice of Allowability	Examiner	Art Unit		
	David Y. Chung	2871		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31 1. X This communication is responsive to <u>after-final arguments</u>	Dears on the cover sheet was S (OR REMAINS) CLOSED i S) or other appropriate comm RIGHTS. This application is 3 and MPEP 1308.	n this application. If not included unication will be mailed in due c	d ourse. THIS	
2. The allowed claim(s) is/are <u>1-17</u> .	· · · · · · · · · · · · · · · · · · ·			
3. The drawings filed on <u>21 June 2001</u> are accepted by the l	Examiner.			
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 	under 35 U.S.C. § 119(a)-(d)	or (f).		
1. I Certified copies of the priority documents hav	e been received.			
2. 🔲 Certified copies of the priority documents hav	e been received in Application	on No		
3. Copies of the certified copies of the priority do	ocuments have been receive	d in this national stage application	on from the	
International Bureau (PCT Rule 17.2(a)).				
 * Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority to reference was included in the first sentence of the specific 	cation or in an Application Da	ta Sheet. 37 CFR 1.78.	a specific	
 (a) The translation of the foreign language provisional 6. Acknowledgment is made of a claim for domestic priority to in the first sentence of the specification or in an Applicatio 	under 35 U.S.C. §§ 120 and/		was included	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of				
7. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF	
 8. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner. (c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No 				
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			back) of	
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
1 Notice of References Cited (PTO-892)	5 Notice of Inf	ormal Patent Application (PTO-1	52)	
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	. 6🛛 Interview Su	immary (PTO-413), Paper No	<u> </u>	
3⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No)8),	Amendment/Comment		
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's 9⊡ Other	Statement of Reasons for Allowa	ince	

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David B. Hardy on January 30, 2004.

The application has been amended as follows:

In claim 1, line 17, "insulating layer" has been changed to --passivation layer--;

Claims 18-28 have been canceled.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: in the examiner's opinion, it would not have been obvious to replace the capacitor structure disclosed by Park et al. (U.S. 6,335,276) with the capacitor structure disclosed by Kim (U.S. 6,255,130). Furthermore, the prior art disclosure of Kim does not teach patterning the passivation layer, the active layer, and the insulating layer in a single manufacturing step.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Chung whose telephone number is (571) 272-2288. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:00 pm.

PATENT EXAMINER TECHNOLOCY CENTER 2800

David Chung GAU 2871 01/30/04

•	Application No.	Applicant(s)				
Interview Summary	09/885,527	KIM ET AL.				
	Examiner	Art Unit				
	David Y. Chung	2871				
All participants (applicant, applicant's representative, PTO personnel):						
(1) <u>David Y. Chung</u> .	(3)					
(2) <u>David B. Hardy</u> .	(4)					
Date of Interview: <u>30 January 2004</u> .						
Type: a)⊠ Telephonic b)⊡ Video Conference c)⊡ Personal [copy given to: 1)⊡ applicant	2) applicant's representati	ve]				
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊠ No.					
Claim(s) discussed: <u>1</u> .						
Identification of prior art discussed: <u>N/A</u> .						
Agreement with respect to the claims f)⊠ was reached. g)□ was not reached. h)□ N/A.						
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: <u>Applicant agreed to an examiner's amendment changing claim 1 to recite that the contact hole is formed in the passivation layer instead of the insulating layer.</u>						
(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)						
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.						
Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.	Examiner's sig	nature, if required				

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